

AIM Ann Report
1895 to 1896

ANNUAL REPORT

—OF THE—

AUCKLAND INSTITUTE

—AND—

MUSEUM

For 1895-96.

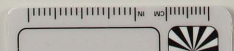
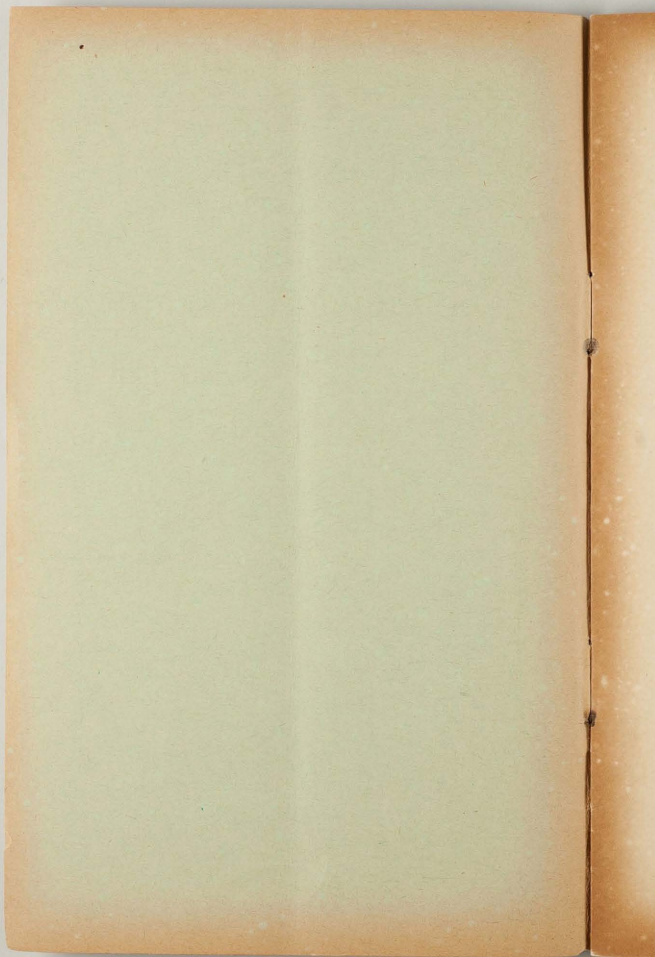
ADOPTED AT THE ANNUAL MEETING, HELD FEBRUARY 24, 1896.

Auckland :

H. BRETT, Book and General Printer, Shortland and Fort Streets.

1896.

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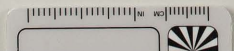
AIM Ann Report
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REPORT
OF THE
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MDCCCXCVI.

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OFFICERS
OF THE
*H*uckland Institute.

President :

D. PETRIE, ESQ., M.A., F.L.S.

Vice-Presidents :

PROF. A. P. THOMAS, F.L.S. | J. H. UPTON, ESQ.

Council :

AICKIN, G., ESQ.	PEACOCK, T., ESQ.
BATGER, J., ESQ.	POND, J. A., ESQ., F.C.S.
BERRY, W. ESQ.	PURCHAS, REV. A. G., M.R.C.S., ENG.
BROWN, PROF. F. D., F.C.S.	SMITH, T. H. ESQ.
COOPER, C., ESQ.	STEWART, J., ESQ., C.E.
MACKECHNIE, E. A., ESQ.	

Trustees :

MACKECHNIE, E. A., ESQ. | SMITH, S. P., ESQ., F.R.G.S.
PEACOCK, T., ESQ.

Secretary and Curator :

T. F. CHERSEMAN, ESQ., F.L.S., F.Z.S.

Auditor :

W. GORRIE, ESQ.

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THE FOLLOWING

MAGAZINES AND PERIODICALS

ARE CIRCULATED AMONG THE MEMBERS :—

Quarterly Journal of Microscopical Science

The Ibis

Nature

Natural Science

Geological Magazine

Lancet

Scientific American

The Academy

Knowledge

Botanical Magazine

Annals of Botany

Gardeners' Chronicle

Chemical News

Engineering

Science Gossip

Electrical and Telegraphic Review

Annals and Magazine of Natural History

The Philosophical Magazine

American Journal of Science

The New Zealand Medical Journal

Report of the Council.



THE Council have the pleasure of submitting to the members their twenty-eighth Annual Report upon the progress and general condition of the Society.

Members.—The number of members on the roll at the present time is 172, of which 13 are life members, and 159 annual subscribers. Ten new members have been elected during the year, but on the other hand, nine names have been removed—two from death, four from resignation, and three from non-payment of subscription for more than two consecutive years. Those removed by death are Mr. D. B. Cruickshank, whose association with the Institute dated almost from its foundation; and Mr. W. P. Moat, well-known in Auckland from his lengthened services on the Board of Education.

Finance.—Balance-sheets containing full particulars respecting the financial position of the Society are appended to this Report, but it may be useful to give a brief synopsis here. The total revenue, excluding the balance of £73 14s. 4d. in hand at the commencement of the year, has been £877 13s. 3d. This is a somewhat smaller amount than that received during 1894-95, a temporary delay in the payment of one of the chief items of revenue having prevented its inclusion in the annual statement of accounts. From the same cause the receipts from the invested funds of the Costley bequest show a diminution, the amount for this year being £388 9s. 7d., against £474 12s. 2d. for the previous year. The rents and interest derived from the Museum Endowment have yielded £340, almost exactly the same sum as that credited during 1894-95. The members' subscriptions amount to £132 6s., being slightly in excess of the previous year's receipts. The increase is not large, but it is gratifying in view of the fact that this source of income has progressively declined since 1882. The total expenditure has been £890 18s. 6d., leaving a credit balance of £60 9s. 1d. in the Bank of New Zealand. The Council are glad to report that the invested funds of the Society are in a satisfactory state. The total amount at the present time is

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£13,145, showing an increase of £300 during the year. With the exception of about £900, the whole of this sum is invested in mortgage on freehold property, and it is believed that the securities are in every respect good and stable. In one case there has been a temporary lapse in the payment of interest, but there is no reason to believe that the Institute will eventually lose any portion of either principal or interest. Altogether, the Council consider that the members have every reason to be satisfied with the financial position of the Institute.

Museum Endowment.—The Crown Lands Board have effected several sales of township allotments during the year; and the proceeds, amounting to £374 11s. 6d., have been paid to the Institute for the purpose of investment. The spread of the mining industry in the Cape Colville peninsula has resulted in the greater portion of the Waikanae Block, near Cabbage Bay, being taken up under mining lease, and it is probable that a welcome addition to the revenue of the Museum will be derived from that source. The Tihitihi Block, at Whangarei, the largest of the endowments, is still undealt with, and owing to its rugged nature and remote position, will probably be difficult to dispose of, except as a rough pastoral run. The Crown Lands Board have paid over from time to time the rents received from those endowments which are leased; but the Council are sorry to say that there are several tenants considerably in arrear with their payments.

Meetings.—Ten meetings have been held during the year, at which the following papers were read:—

1. Introductory address:—By the President, Professor A. P. THOMAS, F.L.S.
2. Argon:—By Professor F. D. BROWN, F.C.S.
3. Social Problems: Poverty and Unemployed Labour in Civilized Communities:—By F. G. EWINGTON.
4. The Recent Chitral Difficulty:—By the Right Rev. W. G. COWIE, D.D., Bishop of Auckland.
5. Note on a Volcanic Outburst in Sunday Island in 1814:—By S. PERCY SMITH.
6. History of Otakanini Pa, Kaipara:—By S. PERCY SMITH, F.R.G.S.
7. The Training of Teachers for Primary Schools:—By the Rev. J. BATES.

8. The Dawn of the English Drama :—By Professor C. W. EGERTON.
9. Two Coming Eclipses :—By Professor H. W. SEGAR.
10. Browning's Vision of Life :—By E. A. MACKECHNIE.
11. Art and Photography :—By E. W. PAYTON.
12. Descriptions of Three New Native Plants :—By D. PETRIE, F.L.S.
13. Some Additions to the New Zealand Flora :—By T. F. CHEESEMAM, F.L.S.
14. The History of the Ancient Tribe Te Panenehu :—By CAPTAIN GILBERT MAIR.
15. The Railway and its Place in Social Economy :—By Dr. A. G. PURCHAS.
16. Democracy :—By the Rev. J. BATES.
17. The Action of Potassium Cyanide upon Gold :—By J. S. MACLAURIN.

Most of the above have been forwarded to Wellington, with the view of publication in the next volume of "Transactions."

Museum.—With the exception of Christmas Day, the Museum has been open to the public on every day in the year, the hours of admission on week days being from 10 a.m. to 5 p.m., and on Sundays from 2 to 5 p.m. The attendance has been satisfactory, though not quite equal to that of the previous year. The register kept by the attendant on Sundays shows that 10,154 persons entered the building on that day, or an average of 191 for each Sunday. The largest attendance was 316, on September 8th, and the smallest 32, on July 28th. On week days the visitors are only occasionally counted, but sufficient data are available for considering the daily average to be about 100. The approximate week-day attendance can thus be given as 31,300, the total for the whole year consequently being 41,454. The greatest attendance on any one day was 417 on May 24th (Queen's Birthday). It is worth remarking that the number of visitors is much larger in winter and spring than in summer and autumn.

Numerous donations have been made to the Museum during the year, all of which are mentioned in the appended list. The Council regret that they have been unable to employ a taxidermist, and that consequently most of the additions in the

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Zoological Department have had to be packed away in the shape of skins. In a few instances the absence of a skilled workman has prevented the Museum from securing what would have been valuable additions. For instance, a large and adult specimen of the leathery turtle (*Sphargis coriacea*), captured off Cape Brett, was offered to the Museum, but had to be declined from the impossibility of treating it in a satisfactory manner. A magnificent specimen of the true sun-fish (*Lampris luna*), presented by Major Mair, had also to be thrown on one side from the same reason. The Ethnological Hall, and especially that part of it devoted to the Maori collection, attracts a large number of visitors, particularly among the class of tourists and travellers. The Council would specially refer to the gift made to this department by the chief Hami Te Waewae of a carved post or "tiki" from Otakanini Pa, Kaipara, a fortress well known in ancient Maori history. Other donations of special value have been made by Mr. T. Coates, Mr. F. D. Fenton, Mr. T. C. Tims, and Mr. E. H. Woledge.

During the year the following work has been done in the Museum:—The re-arrangement and labelling of the minerals, commenced in the previous year, has been completed; the collection of kauri gum has been re-arranged and made ready for labelling; duplicate and unexhibited specimens of all classes have been carefully overhauled and repacked, and several sets have been withdrawn for exchange; several minor changes have been made in the arrangement of the ethnological collections.

For some years past the eastern end of the main hall has been exceedingly damp during the winter and spring months, and of late the south wall of the Ethnological Hall has shown the same fault. After consulting several authorities, it was decided to treat the exterior of the walls with the Szerelmey stone liquid, which has been used with good results on several important public buildings at home. The importation of the liquid, and its proper application to the walls, have proved rather costly, but the Council are glad to say that the walls remained perfectly dry through the last winter and spring.

Library.—An expenditure of £50 has been incurred during the year in the purchase of standard scientific works, a list of which is appended. Special attention may be drawn to the publications of the Egyptian Exploration Fund, the Royal Society's Catalogue of Scientific Papers, and the recently issued Index Kewensis, as works of reference which will prove

useful additions to the Library. The usual exchanges and presentations from foreign societies have also been received, together with some miscellaneous donations from Auckland residents. The magazines and periodicals subscribed to by the Institute, a list of which will be found on another page, have been regularly received, and are available for circulation among the members. In this place the Council have pleasure in alluding to a donation made by Mr. D. Rough, the first harbourmaster of Auckland, of seven water-colour sketches of incidents connected with the early days of Auckland, forming an interesting and welcome addition to the books, documents, and papers bearing on the early history of the colony which are already in the possession of the Institute.

Little Barrier Island.—Very disquieting rumours have been prevalent in Auckland respecting the position of matters on the Little Barrier Island. It has been stated that so far from the island having been kept as a strict preserve for the rarer members of the New Zealand Fauna, that large numbers of the birds have been slaughtered and sold—some to people in New Zealand, and others to collectors in England. It is difficult to understand how such a practice could be carried on without the knowledge of the caretaker, or the assistance of the Maoris resident on the island; but the rumours are so circumstantial, and of such independent origin, that they probably rest on a basis of truth. The matter was brought under the notice of Parliament, and an investigation was ordered; which, however, does not seem to have resulted in either proving or disproving the statements which have been made. It is satisfactory to know, however, that the Maoris residing on the island have been removed; for it cannot be denied that their presence was a continual source of danger, either from the risk that the high prices offered by dealers might tempt them to start collecting, or by keeping up a regular means of communication between the island and the mainland, and thus making the visits of collectors easy. The Council are of opinion that there should be no resident on the island except the caretaker, who should be a man of proved honesty and integrity, and who should be armed with full powers to prevent unauthorised persons from landing.

In conclusion, the Council have to thank the members and others for the assistance and encouragement which they have given to the objects of the Institute, and which they hope will be again rendered during the coming year.

The Treasurer in Account with the Auckland Institute and Museum Trust Board.

FEBRUARY 14, 1895, TO FEBRUARY 19, 1896.

	£	s.	d.
Balance in the Bank of New Zealand, Feb. 14, 1895	73	14	4
Annual Subscriptions	132	6	0
Interest from the Costley Bequest	388	9	7
Rents and Interest transferred from Museum Endowment Account	340	0	0
Interest from Nathan Bequest	9	0	0
Interest from Life Subscription Account	7	8	6
Miscellaneous	0	9	2
	<u>£951</u>	<u>7</u>	<u>7</u>

	£	s.	d.
Books, Periodicals, Binding	133	15	11
Additions to Museum	35	11	0
Museum Requisites	31	9	6
Printing, Advertising, Insurance, Gas, Stationery, Postages, and other Expenses	124	10	5
Salaries	410	5	0
Final Payment on Account of Maori House	15	0	0
Land Tax	48	6	8
Cost of Szerelmey Liquid and applying same to Walls of Museum	47	11	6
Ventilation of Lecture Room	22	5	0
Protecting Doors and Windows of Museum	14	8	6
Sundries	7	15	0
Balance in Bank of New Zealand, Feb. 19, 1896	60	9	1
	<u>£951</u>	<u>7</u>	<u>7</u>

FEBRUARY 20, 1896.

T. F. CHEESEMAM, TREASURER.

Examined and found correct,

W. GORRIE, AUDITOR.

The Treasurer in Account with the Auckland Museum Endowment Account.

FEBRUARY 14, 1895, TO FEBRUARY 19, 1896.

	£	s.	d.		£	s.	d.
Balance in Bank of New Zealand, Feb. 14, 1895	5	14	6	Transferred to Working Account	340	0	0
Sale of Endowments	374	11	6	Transferred to Investment Account	300	0	0
Rents of Endowments	92	19	10	Expenses incurred by Crown Lands Department			
Interest on Investments	251	1	0	in connection with Sales of Endowments ..	23	12	0
				Insurance, Agency, and Miscellaneous Expenses	13	6	0
				Balance in Bank of New Zealand, Feb. 19, 1896	47	8	10
	£724	6	10		£724	6	10

FEBRUARY 20, 1896.

T. F. CHEESEMAN, TREASURER.

Examined and found correct,
W. GORRIE, AUDITOR.

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Investments of the Auckland Institute.

I.—COSTLEY BEQUEST.

	£	s.	d.	£	s.	d.
On Mortgage on Freehold Security at $6\frac{1}{2}\%$..	4,000	0	0			
On Mortgage on Freehold Security at $6\frac{1}{2}\%$..	1,500	0	0			
On Mortgage on Freehold Security at $6\frac{1}{2}\%$..	650	0	0			
On Mortgage on Freehold Security at $6\frac{1}{2}\%$..	650	0	0			
On Mortgage at $6\frac{1}{2}\%$..	300	0	0			
Deposited in New Zealand Post Office Savings Bank ..	400	0	0			
Loan to Working Account towards Purchase of Maori House ..	200	0	0			
Total of Costley Bequest bearing Interest	7,700	0	0			
Invested in Real Property—Portion of Site of Museum ..	2,500	0	0			
Expended in Erection of Ethnological Hall ..	1,500	0	0			
Expended in Show Cases and other Fittings ..	450	0	0			
Total of Costley Bequest not bearing Interest	4,450	0	0			
Grand Total of Costley Bequest ..	12,150	0	0			

II.—MUSEUM ENDOWMENT ACCOUNT.

On Mortgage on Freehold Security at $5\frac{1}{2}\%$..	3,200	0	0
On Mortgage on Freehold Security at $7\frac{1}{2}\%$..	600	0	0
On Mortgage on Freehold Security at $6\frac{1}{2}\%$..	500	0	0
On Mortgage on Freehold Security at $6\frac{1}{2}\%$..	175	0	0
On Mortgage on Freehold Security at $6\frac{1}{2}\%$..	100	0	0
Waiting Investment ..	595	0	0
Total ..	5,170	0	0

III.—NATHAN BEQUEST.

On Mortgage at $6\frac{1}{2}\%$..	100	0	0
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IV.—LIFE SUBSCRIPTION ACCOUNT.

Deposited in Auckland Savings Bank at $4\frac{1}{2}\%$..	175	0	0
Total ..	17,595	0	0
Proportion of above bearing Interest ..	13,145	0	0

T. F. CHEESEMAN,
TREASURER.

Documents and securities examined and found in order.

W. GORRIE,
AUDITOR.

February 20, 1896.

ADDITIONS and DONATIONS

TO THE

Library and Museum.

-
- Parliamentary Papers and Reports; New Zealand Hansard for 1895; New Zealand Statistics; New Zealand Official Year Book.—The New Zealand Government.
- Annual Report of the Colonial Museum and Laboratory; Transactions of the New Zealand Institute, vol. 27.—The Director of the Geological Survey.
- Journal of the Polynesian Society, vol. 4.—The Society.
- Publications of the Department of Mines, New South Wales, for 1894-95.—The Department.
- Journal and Proceedings of the Royal Society of New South Wales, vol. 28.—The Society.
- Proceedings of the Linnean Society of New South Wales, parts of vols. 9 and 10, new series.—The Society.
- Proceedings of the Royal Society of Queensland, vol. 11.—The Society.
- Bulletins of the Department of Agriculture, Queensland.—The Department.
- Journal of the Royal Society of Victoria, vol. 6, new series; Transactions, vol. 4.—The Society.
- Insect Life, vol. 7; Benton's Honey Bee; Proceedings of the Seventh Annual Meeting of the Association of Economic Entomologists; Howard's Revision of the Aphelininae; The Common Crow of the United States; Contributions to the United States National Herbarium, vol. 3, parts 4, 5, 6.—The Department of Agriculture, U.S.A.
- United States Consular Reports.—The Secretary of State, United States.
- Annual Report of the Missouri Botanical Gardens.—The Director.
- Annual Report of the Museum of Comparative Zoology, Harvard.—The Director.
- Reports of the Smithsonian Institution for 1892 and 1893.—The Smithsonian Institution.
- Proceedings of the American Association for 1893.—The Association.
- Proceedings of the Nova Scotian Institute for 1892 and 1893.—The Institute.
- Twenty-first Annual Report of the Geological Survey of Minnesota.—The Survey.
- Report of the Geological Survey of Canada for 1892-93.—The Survey.
- Annual Report of the Observatory of Rio Janeiro for 1892.—The Observatory.
- Monatsbericht der Deutschen Seewarte.—The Seewarte.
- Symons' Monthly Meteorological Magazine.—The Editor.
- Proceedings of the Royal Colonial Institute.—The Institute.

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- Bulletin of the Italian Entomological Society for 1894-95.—Professor H. H. Giglioli.
- Journal of the Natural History Society of Zurich for 1895.—The Society.
- Journal of the Royal Artillery Society, vols. 4 to 22.—Capt. H. Stewart.
- Reports of the Manchester Museum, 1890-94.—The Museum.
- Copy of the Pilgrim's Progress, printed at Rarotonga in 1852.—F. J. Moss.
- Laws of Rarotonga, printed on the island in 1862.—Rev. J. K. Hutchin.
- Pocket Almanac for the Year 1795.—Mrs. E. Gibbons.
- A Treatise on the Principle of Sufficient Reason, by Mrs. Fitzgerald.—The Author.
- Gray's Speech of Man and Holy Writ.—The Author.
- Copy of the Bay of Islands Gazette of August 18, 1840, and the Auckland Times of September 12, 1842; Seven Water-Colour Sketches illustrating Scenes in the Early History of Auckland.—D. Rough.
- Royal Society's Catalogue of Scientific Papers, vols. 7, 8, 9, 10; Philosophical Transactions for 1894, 4 vols.; vol. 168 (extra volume).—Purchased.
- Index Kewensis, 4 vols.; Cook's Handbook of Australian Fungi.—Purchased.
- British Museum Catalogue of Birds, vols. 25 and 27; Catalogue of Snakes, vols. 1 and 2.—Purchased.
- Dana's System of Mineralogy, last edition; Dana's Characteristics of Volcanoes; Foster's Text-book of Ore and Stone Mining.—Purchased.
- Montagu's Copper Coins of England; Atkin's Coins and Tokens of the British Possessions.—Purchased.
- Publications of the Egyptian Exploration Fund, 6 vols.—Purchased.
- Webster's International Dictionary; The Universal Atlas.—Purchased.
- Wharton's Captain Cook's Journal; Codrington's Melanesian Languages. Partington and Heape's Ethnographical Album of the Pacific Islands.—Purchased.
-
- Skin of Tree Kangaroo (*Dendrolagus bennettianus*).—D. Le Souef.
- Skin of Little Teal (*Anas gibberifrons*).—Mr. Booth.
- Skin of Spoonbill Duck (*Rhynchaspis variegata*).—F. Foster.
- Australian Curlew (*Numenius cyanopus*), shot in the Manukau Harbour.—F. Newell.
- Skin of Kiwi (*Apteryx Mantelli*).—J. Osborne.
- Skin of Penguin (*Eudyptula minor*).—Mrs. H. Haines.
- Two Skins of Fern-bird (*Sphenæacus punctatus*).—A. F. Pycroft.
- Sparrow with enormously enlarged lower mandible.—J. H. Upton.
- Tetradon*, n. sp.; *Gonorhynchus Grayi*; *Kathetostoma Monoptyerygium* and other Fishes.—E. B. Moss.
- Sun-fish (*Lampris luna*), caught at Lake Takapuna.—Major W. G. Mair.
- Bonita (*Thynnus* sp.).—Captain Farquhar.
- Frost-fish.—R. H. Shakspeare.
- Two Green Lizards (*Naultinus elegans*).—Mrs. Brown.
- Diamond Snake from Australia.—Miss Spicer.
- New Zealand Shells.—Captain Farquhar.
- New Zealand Shells.—C. Spencer.
- New Zealand Land Shells.—H. Suter.
- Specimens of *Daudebardia* and *Percipatus*.—J. W. Wrigley.
- Numerous specimens of *Bulinus boevis*, and eggs of the same.—J. T. Rayner.
- Shells from Surprise Island, New Caledonia.—Mr. Mathie.
- Large Collection of New Zealand and European Beetles.—C. Stokes.
- Iron Ore (Limonite) from Maketu, near Drury.—Mrs. Guiniven.

- Collection of Siliceous Sinters from Rotorua, Waiotapu, and Wairakei.—
J. Martin.
- 25 Minerals from California and Arizona.—H. N. Rust.
- Carved Post from Otakanini Pa, Kaipara, together with a Manuscript
History of the Pa.—The Chief Hami Te Waewae, per Mr. F. D.
Fenton.
- Wooden Spade or Hoe, formerly the property of the Chief Tinana;
Kumara Spade; Stone Fern Pounder and Stone Axes.—F. D. Fenton.
- Greenstone Mere, made in 1873, for presentation to the Chief Rewi.—
The Hon. the Native Minister.
- Peculiar Carved Stone Bowl found near Tauranga.—Deposited by Mr.
T. C. Tims.
- Patuki, formerly belonging to the Chief Wi Kingi; Stone Pipe.—E. H.
Woledge
- Stone Drill, or Horete.—Purchased from the Chief Te Rahui.
- Eleven Stone Axes; Pendant of Whale's Bone from the Chatham Islands.
—M. Gregory.
- Very large and fine Greenstone Adze; numerous Stone Axes.—T. Coates.
- Two Fishing Weights; Fern Pounder; four Stone Axes; Obsidian Core.
—A. J. Millar.
- Ear Pendant.—Dickson.
- Two Stone Axes.—J. McDonald.
- Greenstone Chisel.—R. H. Shakspeare.
- 35 Ethnological Specimens from Western North America.—H. N. Rust.
- 260 Neolithic and Palæolithic Flint Implements of various kinds, mainly
from Sussex, England.—S. G. Hewlett.
- Model of Tongan House.—Mrs. James Batty.
- Two Blocks of Wood from the Wreck of the Boyd.—T. W. Lane.
- Peculiar Rewarewa Burr.—R. McGonagle.
- Fruits of *Macadamia ternifolia*.—Sir Chas. Lilley.
- 30 Copper Coins.—F. J. Caudwell.
- 5 Copper Coins.—F. Horne.
- 2 Silver Coins.—W. Strong.
- 2 Silver Coins.—F. Wright.
- 3 Copper Coins.—J. Driscoll.



❖ LIST OF MEMBERS ❖

FOR THE YEAR ENDING MARCH 31ST, 1896.

[HONORARY AND LIFE MEMBERS DISTINGUISHED THUS.*]

- | | |
|-----------------------------------|--|
| Adams, J. B.A., Thames | Cowie, Right Rev. W. G., D.D.,
Bishop of Auckland |
| Aickin, G., Auckland | Cozens, G., Auckland |
| Aitken, W., Auckland | Craig, E., Auckland |
| Aldis, Professor W. S., Howick | Cussen, L., Hamilton |
| Allen, T., Auckland | |
| Argall, W. H., Coromandel | |
| | Danneford, S., Auckland |
| Bagnall L. J., Thames | Darby, P., Auckland |
| Bakewell, R. H., M.D., Auckland | Davies, Rev. H. S., Northcote |
| Baker, Rev. S. W., Auckland | Dawson, F. W. E., M.R.C.S., E.,
Auckland |
| Ball, T., Onehunga | Dignan, P. L., Auckland |
| Ball, W. T., Auckland | Dufaur, E. T., Auckland |
| Bartley E., Devonport | Duthie, D. W., Auckland |
| Bates, Rev. J., Devonport | |
| *Bates, T. L., Newcastle, N.S.W. | Eastham, S., Ponsonby |
| Batger, J., Auckland | Edson, J., Devonport |
| Beere, D. M., C.E., Gisborne | Egerton, Prof. C. W., Auckland |
| Berry, W., Auckland | Ehrenfried, L., Auckland |
| Best, Elsdon, Te Whaiti | Ewington, F. G., Auckland |
| Brett, H., Auckland | |
| Brigham, J. M., Auckland | Farmer, J., London |
| Brook, A., Auckland | Fenton, F. D., Kaipara |
| Brookes, E. S., jun., Wharehine | Fidler, W., Northcote |
| Broun, Captain T., F.E.S., Drury | Firth, J. C., Auckland |
| Brown, Prof. F. D., Auckland | Fowlds, G., Auckland |
| Brown, J., Epsom | |
| Buchanan, J., Auckland | Garlick, R., Auckland |
| Buchanan, W., Devonport | Girdler, Dr., Auckland |
| *Buckland, A., Auckland | Goldie, D., Auckland |
| Buckland, W. F., Cambridge | Gorrie, W., Auckland |
| Burgess, E. W., Devonport | Graham, W. K., London |
| *Burton, Colonel, Lake Takapuna | Gray, A., Remuera |
| | |
| Cameron, R., Auckland | Haines, C. H., M.D., F.R.G.S.,
Auckland |
| Campbell, H., Auckland | Haines, H., F.R.C.S., Auckland |
| Campbell, J. L., M.D., Auckland | Hardie, J., Auckland |
| Carr, R. A., Auckland | Harding, S., C.E., Auckland |
| Carr, R. C., Remuera | Harris, J. D., Opua |
| Cheal, P. E., Auckland | Haszard, H. D. M., Auckland |
| Cheeseman, T.F., F.I.S., Auckland | Haultain, Hon Colonel, Parnell |
| Ching, T., Remuera | Henton, J. S., Auckland |
| Cochrane, W. S., Auckland | Hesketh, E., Auckland |
| Colbeck, Captain, Epsom | Herbert, T., Parnell |
| Combes, F. H., Auckland | Hill, W. J., Auckland |
| Cooper, C., Auckland | |
| Cooper, T., Auckland | |

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Hosking, A. A., Mount Eden

Johnson, H. D., Wellington

Kenderdine, J., Auckland

Kidd, A., Auckland

*Kirk, T., F.L.S., Wellington

Kirker, J., Auckland

*Kitt, T. W., London

*Leaf, C. J., F.L.S., F.G.S., London

Lennox, J. M., Auckland

*Lennox, N. G., Sydney

Leys, T. W., Auckland

MacArthur, J. P., London

Mackechnie, E. A., Auckland

Mackellar, E. D., M.D., Parnell

MacMillan, C. C., Auckland

Mahoney, T., Auckland

Mair, Captain G., Thames

Mair, R., Whangarei

Mair, Major W. G., Auckland

Malfroy, C., Rotorua

Martin, J., F.G.S., Auckland

Masefield, T. T., Auckland

*Meinertzhagen, F. M., Napier

McCullough, Hon. W., Auckland

McLachlan, J. M., Auckland

McLaurin, J., Auckland

Mitchell, J., Auckland

Moody, T. P., Kawakawa

Morton, H. B., Auckland

Morrin, T., Auckland

Moss, F. J., Rarotonga

Monro, H. A. H., Parnell

Mueller, G., Auckland

Munro, G. C., Sandwich Islands

Murdoch, D. L., Auckland

Murray, T. L., Thames

Nathan, L. D., Auckland

Park, Jas., F.G.S., Thames

Patterson, G. W. S., Kaikohe

Payton, E. W., Devonport

Peacock, T., Auckland

Petrie, D., F.L.S., Auckland

Philcox, W., Devonport

Pinfold, Rev. J. F., F.G.S., Whangarei

Pond, J. A., Auckland

Purchas, Rev. A. G., M.R.C.S., E., Auckland

Reed, J. R., Kawakawa

Reid, J., Auckland

Robertson, E., M.D., Auckland

Rose, R., Auckland

Russell, Jas., Auckland.

*Russell, T., London

Scheidel, Dr., Thames

Scott West Rev. R. J., Mt. Eden

Seegner, C., Auckland

Segar, Professor H. W., Auckland

Shaw, H., Auckland

Shrewsbury, H., Parnell

Sinclair, A., Auckland

Smith, A. A., Auckland

Smith, H. G. S., Auckland

*Smith, S. P., F.R.G.S., Wellington

Smith, T. H., Auckland

Steele, T. J., Devonport

Steel, T., Melbourne

Stewart, J., C.E., Auckland

Thomas, Prof. A. P. W., F.L.S., Auckland

Thornton, Mrs. D.B., Maungakawa

Tighe, J. H., Auckland

Tibbs, J. W., Auckland

*Tinne, H., London

Tinne, T. F. S., London

Tubbs, Professor H. A., Auckland

Upton, J. H., Auckland

Urquhart, A. T., Karaka

Wade, H. G., Auckland

Walsh, Rev. P., Waimate

Webster, J., Hokianga

*Weetman, S., F.R.G.S., Blenheim

Wildman, W., Auckland

Will, W., Auckland

Williams, T. O., M.D., Thames

Williams, Right Rev. W. L., Bishop of Waipapa, Gisborne

Williamson, C., Auckland

Wilson, G., Thames

Wilson, H. M., Warkworth

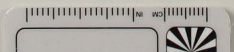
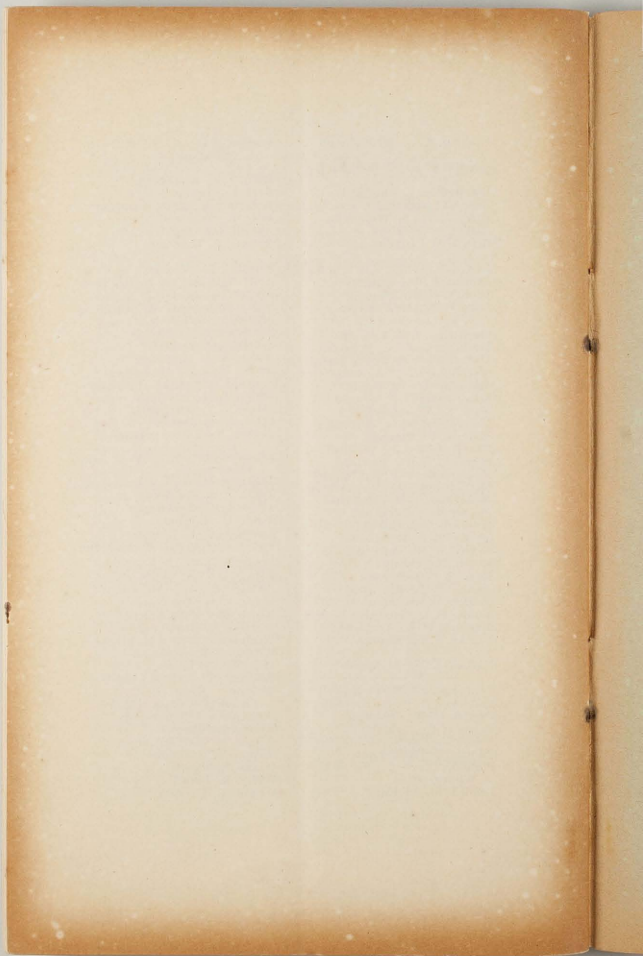
Wilson, W. S., Auckland

Winks, J., Parnell

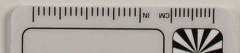
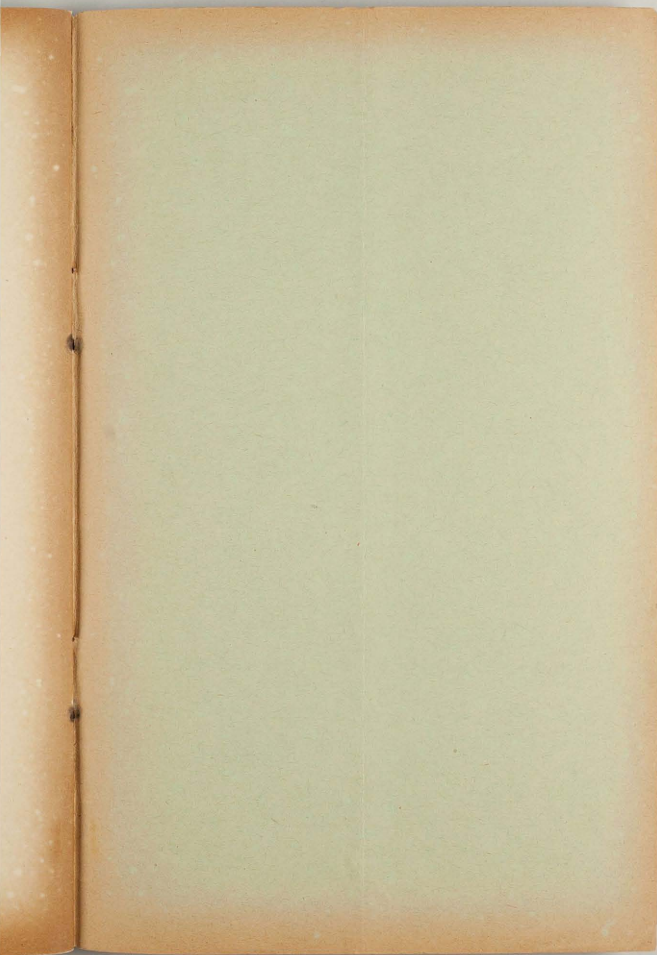
*Withy, E., Parnell

Wright G. W., Auckland

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